arremon, I. August 25, 1958 Cour Campana and BCT Miss = aurantinoities = Crous Colles Spanow I cought a of these function here, probably wated pair. Ban ded right red and right yellow, and let Coose in outside enge on the est Their WF's and TF's (with Fun) new to be quite the rates as those of the green backed frances The out sounds I have brand them with we were shorp land on Suit's III Copparently allers. October, 25, 1758 Chemon, I. Mour 300 = schlegel = Schlegel s Frich. More is a suigle levid liere. (07?) in a large cage with man (mostly maller) other Suiches. General propertions to movements much like those of the On aug - bill, but the boid is maller a much mow lightly built. Has a " Trit" CN quite like that of the Orango bell. alw ays errentralle suight, but frequently repeated. Has also utlered quite a cot of what appears to be song a wires of notes eventially like CNs, followed by a right flowrish (and frequently a partial repetition). The initial wires of notes is not very long. 5 is the unal number, Ittule. Each of these wited notes miglet be transmitted as " Juli "or "Touls. The flowersh up

Consum 2 23 1838 II. mostit be represented by the following diagrams: With repetition: al revier of notes unally victudes & rather than 5 notes. Than case, there is couriderable variation.) How this livid has uttered a lot of phrases with a single note lelie the initial notes following the flowerish. The bill opens & closes with early note July 20, 1959 aremon, I I disturbed an Drang- bell here today. In very thick under. & bruils of (probable) record-growth rain-forest on the baules of a mall steam. The berief flew up, landed on a small branch stretch. mig across the steam. Uttered a lot of alla of like those described a bove. all mugle. Each Col accompanied by a surgle WF and a surgle TF. Occasionally interspersed by buy parares of what appear ed to be "warbling song. I couldn't bear there roug parases very well - as they were quite roft and there was a lot of background noise - but they were rouselow reminiscent of the rouge of the Chartent-capped attapetes in torial quality. One surase which I heard a lettle letter than the others may have been composed of five roft "Dec notes, one right after the other. Then roung phase

#### anemour, July 20, 1959, I.

were not auguspaired by any obvious retrocked portwees or moven ents, but each note was accompanied by opening & closing of the bell. It is my impression that the livid relation or never performed much in the way of WFD on TF's during the utter ouce of there nong phrases. after a minute or no of intermingled al CN's and "warthling" rouge, the brid just flow away and ded not return while I rem

anemon, I

april 5, 1940 Barro Colocado

I have had another pair of Orange bells for nome time now. I Loughet them in the marchet at the same time, and presume they are a mat ed of and q (one of them has a brighter bell than the other). Thebanded. Their oftenesson I finally got around to letting this new pair into a large outride cage adjourned the cage of the old pair. I shall call the new J pair N' and the old pair "O".)

as would be expected, the N beids received alarmed when they were fruit put wito their new case, and one of the Oberido quescum all the of) appeared to be counderably initated by the rudden app.

a carance of the newcomers.

One bird of the New (presumably the Q) stayed on or near the ground, on the ride of the case farthest away from the Obirds, the one lieut the whole period I watered the livids. Remained quite riles throughout.

Quite vilent, and tended to remain rather low in the shrubbery, (al though she did fly up and around from time to time).

UNEW DE 7 20 I. There recentions would wegget that q's are well less aggressive \* than of s (ree below). The tendency to rewain low is probably a good wide cateon of a refaturely strong exape abuse. Frightened livids of this species that to go down into low regetation and run along the clowd more than any other y eves with which Dan Jambear (Instered this during very carried obser vatious of Both the Oo News longago. This afternoon, when we start ed to calle the N buils withe arrive where they had been house for mouths - the holding arriver - they had to escape by flying at first but they went down and startled to run long before any of the other Curis withe aviar at the time - even before the green backed Sparrows and Kou Created Thrush Janagers.) It was only the premued of's who duplayed this afternoon after the W pair were put in their new home. (I shall just call there 2 brids "the of's" tout court from now on. ) The interesting thing is that they displayed in quite different ways. The Not yent most of his time hopping and/or flying from bus h to buch outhe whe of the away away from the Olivids During was t of this time be showed defruite extreme CR. Hotere Mape of crest. Peak in front Gray median stripe atter very incompicuous or awarble (alth. ough the gray feathers are certainly ereited as much as the black ones). the Not also performed Cots of WF sand TF's during the periods be was mouning around with CR. Instead that all or most of his TT is wife

ancien, apr 5, 1960, III always Jun) The Not remarked guite silent theoryhout the whole perfor mance. The fact that he did not atter CNO, in youte of the fact that his escape drive was obvious relatives stronger Than that of the Do who did utter way CN's (we below), would wide totat the CN's of this species are definitely not alarm patterns (my previous designate Lou of their notes as "allow's "is leverily wrong). The Norded personn gapung from twee to time. Much of less ga pure luring the first few minutes after the Nyair were introduced into their new cage may have very janting (as we had to chave them a lo ing time in their old cage before catiling them, but I noticed that he ded tend to open his bell digletty from time to time, much later, when the Ood gave a particularly loved another repud hurst of roug & phraces (ree below). This would megget that the species does have some roct of ritualized 6- pattern, but that it is not particularly agreenie. The Notalways had CR when he G'd; but he also did CR may time His CR was defrutely concluded with the CN's and rough of the Or When the Ordinas went, the Not usually gradually lowered the nown fathers, until the nown was quite flat; but he always raved them again as soon as the Of became vocal again. The believes of the Ood was much more elaborate than that of the Not. The Oo was obvious of rule aggreriere. He spent most of his thine flying and hopping about on the ride of his cage vervest to He uttered lots and lots of CN's during this performance. Evan

Julian Dyr. 5, 1849, II. the as desculsed before. He diden't utter their courtantly as every one in a while he would relax temporarily sitting more or less placedly and fally releate, but he always attend CN's when he was woving about excited ly as wear to the N'n as be could get another violication that the att ack decive must be apprecially strong when CN's are uttered. The bell is opened and shut quite conspicuous when CN's are uttered. The Ook ocal o were interminished with war roughbrases. There songs were wuch like the ones described above on July 20, 1959, p. 3, ino for as they were very reminiscent of attagrates, and testay I noticed that they could be divided with two types which were partly lutteret from Oue typi wight be called the "Dill foug" ("till 5). It reen-ed to courist of a unice rapid repetition of eventually identical notes The other type might be called the "Twittering fore" It was nowewhat more welockous them the Gill S Grisl abbreviate it as "Mels"), but by no wears really pretty. It might be described as a sayed twittering warble. Quite sounders in general effect Many of all Mel S's, however, newed to be largely or completely band upon repeated doublets or (more frequently) triplets. "till tooos" or tuh tuh toooo. ( Voully, w' nowe cares, the toooo's were presededly more than a "till is fluit I am not more about this.) Both types of roug were encutrally secular in toual quality. Telatively roft and tinny. The only notes of the rougs which were even moderately loud w. ere some of the tooos Than of the roug plerases attered by the O of were really combined wateries of the Itel and Well types, including both tills and doubt

## anemoni, apr. 5, 1760, I.

et and/or triplet took toos n. a fourty typical evolugie of our of there interwediate roug phira res, preveded by CN o (well the respective phrases mere) might be represented ed as follows CN CN Mul 5 CN (This nort of an augenent did not appear to be very standardized, I am fairly certain that soll's occurred before the Thel part during some roug plurares, and that either the Irll and on the Wel parts we re rountures repeated at least once.) It is quite possible that the tuplets which appears to be the basis of the Huls's and the Helparts of cowbined shel- niels saw stre the hour logous with the NNN s of the rouge of Chloroungers spp. A receisary I shall use the same abbieviation for them,) At misfet be worth themen that the swigle notes which we repe in the Ill we much rofter than the CN's - although they may conceive be be eventrally identical with the "tule sof the NNNs. There notes of the The are quite remuniscent of the roftert cal s of a varuely of other years but they were very defferent from the (N's of this species.) - We bell was definitely opened a closed with each note of may or all rougs (Dam sure with each note of the Mels's lust still uncert. aniabout the Ills's). It was not however, opened widely with most notes, It was one opened widely with the loudlest tooos of It was defruelt to tell if the Oo was jerforming CR at any Tune this afternoon. He recues to have managed to get most of his nown fea

there subbed off in some way. But he ded have a few little stulis steel

ing up all or almost all the times he was rullering (Ws and song, and so be way have had copall there times He certainly performed lots of WF's and TF's almost all the times be was uttering CN's & nones. I ded not notice any decience of Hick mig when he was suighing. When the Near were just put into their new case, the Officer toward their immediately. He uttered CN's immediately but ded not bequito surg until a few recouls (number?) later. His first a or 7 noug plurases were largely or completely Fill S's. Then he started to utter song phrases which were largely or completely Wels's He continued to give songs off and on for at least an hour. In Courses. Lex on reven 10 mays within a runnite or no, a be flew excitedly as near to the N s as he could get, and then a few minutes of setting quiette their later rongo were Il also large gor completel Mels's The only rouge uttered by the Of during later percods which wer Le large on confestel Fills's incre constated with redirection attacks. I Sometimes when the Vor was hopping or flying about wear the No wetter lets of CND & Mel S's, the Op would come more or Cors close to the Oot We was then very level to Turn around and supplant the of very sapid ly remed times in successoon. Obvious supplanting attacks, Most of there attacks were accompanied by lots of Colo and roug plureses; dud man song pherases in much wicanutames werely largely on completele full 5 s. There windents would rugget that Tells's are either more agrenue and or lugher internet, than theels s. Foth types of sone cuere definitely concluted with CN's. There were no rouge which were not anouated with CN's CN's us wall occurred both before and after every roughbrase. But CN's also

anewon apr. 5, 1900, III

Thus would negget that the CN's may be lower intenuty than the son

all mall, the whole of the legite, behavior alrown by there built stoke built state different from the dis

auemou, I

May 4, 1961 Bano Colocado

I reparated the o's & o of both the Nand O pairs some Tune ago (at Ceart 3 mouther ago). I took the a livids which I the Luglet were of sand put their together in the same cage, leaving the 2 G birids which I thought were of in their old cages (reparate). They G yesterday I put the No (banded red) withe cage weth the Of ( ( unbanded). (Mufortemately, the OoT died a few weeks after being I reparated from the q.)

The Not had been suigning, in the early mornings, while it was by itself. High their "formless" warbles, which I did not have time to study. But I rather unaqued that it must be coming into be eading condition. I hoped to see some interesting reactions when I

put it in with the q.

This hope was not really Julfilled

When the of was first ulioduced, both livids ultered a few " First "COV's and hopped about the cage moderately rapidly the Dq also deda little relevit CR. They both avids appeared to calle down, but kept well apart from one another.

after being together for a few minites, one or both airids ut

aucusa Way 4 1945 II Il eved a few single "I sawere" Hotes. Plaintive in Tour Muse notes I remerided me very much of the SN's of Jargara and There has and the PCN's if the famere de Joro. I minigine they were home legens with all their latter. Or far as I could tell, they were not accompan redly any spenal ritualized portures or movements (or any opening & & closing of the (ull). I thuile I shall call there plaintine "I saweer" hoter of the Or & auge-bell SN also. a few minutes later, the No lugar to utter roug plurases. Ch revouls the typic I called "Mill S" before. Early shrase might be transmit ed by something like "Trit ta - sa - weee". (The first note of each plurase was probably nothing more than an ordensey CN.) Altered from a perfectly unretualized looking perching or pre-locomotor, partice. a couldn't tell of the Gell opened and closed with the notes or not. The N Toutimed to utter their Mel's phrases, at megular intervals, but they didn't recent to provoke any nort of response from either the Og or I the Na ( in the adjacent cage.) after a few russe minutes, the Og began to fly about a little m ore article than the had before, and occasionally carrie quite close to the At with times be uttered rong plurases which were slightly different from the ones he ultired a few munites carelier. More or ley comme ga: "Tret ta-ta-sa-weee. or "Ta-ta-ta-ta-ta-sa-weee. The "ta-ta-ta "component appeared to be a form of R (pecinnality the same thing that I called " Into "lufore). as far as I could tell there Thels's + R component were not anompanied by any your situalized gostwies or mounients. Her did they provole any more response than the previous Wel S's alone from the Oq. Still Think that they must have we been (more strongly) hostile (than the ordinare Hels's without &)

0

Both type of sony planesses the real to be returned an electricity,

2 planesses, our right after the atter for some they guesse, our than 2

planesses were, etc. etc. I at there were room they trong we range plus

ares.

"ta-so were "so fitte surprise of inters and "survey were the of the surprise of survey were the surprise of survey were the survey were survey to the surprise of the survey of the west of the west

This morning, I went down to watch the birds ilightly leglow

dawn.

The Not liegan to citter roug plurases well lufor it was composed letter light. Here given severe similar to the Hele's be ultimed yeter day, but even more twittering and formless. (I think that their formless, twittering, Hele's were the same as the over he used to atter in the amounting when he was wa coage by burself.) forme or all of their new as this morning might be transcribed by sometimes like " Juli-taktules tule to sweet the same as the Roped and "tinkling".

I the ta-sweet tule tak-tak-tak ta-sweet "Roped and "tinkling".



Williams From the To The Not was not close to the Og when he when I then it ings I muchly, w fact, be was right at the opposite and the Muede no regione estier. D.E. their rouge one is a first of It was difficult to me the No clearly while he there the a source ( due to the half light), but I was able to me that he was as wall or always fairly bugh with the shoulders in the cage. Either perched in an ordinary retting porterie or, more frequently (perstups always?) ui a pu-Cocomotore perture nech as the one obace a oute preceding gage. We tended to fly from perch to perch, or hapalong a perch, liet. con therests of rong. The of stepped there rough by the time it was fully by it. about 6:45, I took hum out of the Og hange, and just him in I the eage with the Ng next does But then now of the birds and any ¿ thrugat all! Menveriability of the rough of this species is probably a good wich attended to Coloques a Pullingleones. So is the incorpor Is action of Reouperwests in the way. aucusu, I Jul 6, 1701 Fruit Colorado July the levids as they were after the weisherts described about Jove. Then, on June 4, Rivera found that the Oq, all by bringly, but I mountaged to build a neit and lay 2 eggs !!! I mountaintely collected Put the old qui with the Nyair this afternoon 4:10 pm Al-recetion at frest. On hope along ground. N here's just nit on perdus, watting her, just municipal Hubing movement.

James James James 2 1921, II I war in resource regist decreeping Du the growing misslues the I seems to the attaching the and faith the got wheel. I fe win aget CR suget least one of the descenting of in The time love and I get Oh or 4 45 News of of the etechagam. all just release There is a living troop of of del Mourings and White faces were Letting almosates brown Letting alusinte fragen The the News start to wouldrended a little 1 25 The NOT they norther questy, executive, his bread foothers in as I was the all Conting the head recitives had been necessited as flet as powers till all burds you te ribut Not continue to ut yout CR. ( attent, I that there N of gene to resultative It is every one of the Neverla) anemou, I June 26, 1761 Paus Colotado I left the is werein to getter often June 6 Chounged the Crauding To Owe of the N builds is now bounded green The moved the rund from the old cage of the Og who the new cage we of the all 3 levids, Dwing the last few days, their west has been moved and Le reconstructed by one or more of the birds Down by cage 5: 43 a.M Still very dark Boids quite select The hard finally atters a few-CN's at 6.00 a.m. 1

# annou, Jun 26, 170, II

I bailed frances " Charles aural, hopping areas and our of mile felicut except les au seconocionel nungle, sie nom la Gloter, Gotterson S. V. pollerus & Dimiter 1722-Live and 1831 are receiperated by research received to There - Internal and a second and the second and th 6.20 Bust met Europe Our of the level is a record to good a relieving the law leve CN - ach tale in Present of the Matter of th They round rather as if they might be low interest, we have in a first or rather This lived was beging man the elters while it is the I d not new to be western to themen are otherway apparently nothing at all going on now, 6 115 - 21 Ell Williams nothing but sections (N.s. Then one of the elevals afters a couple were "The water It to be uttering there notes as it hopped along the growing the getting en buid Calio hopping along the ground). I with it there notes in rance to quite hourse and ruther masal! Derhaps there with are HAC of GHAC Leaving myself 7:000 m. (Afrom my abrumentions today, Ithink that the green bandled Energ Ly is probably the No?) annon I July 2, 1961

Orace Colorado

Type bills early yeter lay morning, and then a record later in the morning.

Chromon Souly 3, 1901, IL Change of water to here to both of 5 35 a 11 The harmy fault so the War I say the I that 5 for day to the factor Mungale CN. 2 1 - 1 - 1 will with I DE MANAGER ST. TO THE ST. THE ST. in the substances to a source to the wheever Continuing of the office of the too deeds to see Grow 6 24 11 1/2 = 11 11/15 90 (SA medalles most EN a atter - I lysame hard the something the same the sometimes as well as when perchase Littleed from the wests of locar and per is an income town - Il tremeted with lots of WI is and IT's The will to I found No CR Willow carefu willedwar There is, hard note more retens placedly in pently uttering thel's after their attenuated with confect activities. It the investigue, I bear on surround Hour wite in bush ground There was definitely next altered by the swame fund. Perches dy watter berd flying weared cage guite exceledly December of the Telliche No MOUTE 20 Buddiction into of that or atop all other sells, when Bour your To get food Ipresoure decl smuch be alons! all conqueter, minit after Bora leaves . Itali went 6 35 They been starts to cetter the Sin again. Her inter green branched by ord that a alterwated with WT 17 17 To Bud alone They flee down to Jeed on ground may other buil of tops Mulss. Hels sole muture de not nom to la hactile! Now lived back, allering that's a while perched. Hels's afternated I with both Hickory and comfect actualles 6.45

Bill definite, opens a closes with each note of thick 5 grands.

Devening almost the include of this conserving, out of the our 9 casters "O" 2

( incubating treatily. This is the indisanced brief (the our 9 casters "O" 2

( lufon). The grain bonded living in presentable mated to the invariants.

( burk then grain bonded living in presentable," N" of the trend trains.

( still branded red, is pressumant. N" of the bias appet most of the rice in much

flying wround the engagements actively and reversing the ricens to be much

more nervous than the green branch living

aremon I

ferito de

The capture livids managed to batch a pair of young best of young lest of young were taken by a snake. I did not watth the behavior of the capture livids again.

Looking over my notes of last year (after having written the first 3 from descriptive papers on tanagers and furches). I timb that I should give new names to some if the displays of the years and add some comments about some of the displays.

2 shall call "Hels" "Wel" from now on

2 shall call "Nels" quit plain "The "from now on

I shall call "SN"s (whatever they way be in this species)

"PN"s from now on.

(Cout'd west page)

uly flevit Hortile Grates, I shall call their SHN's " from now on

The notes I have been calling alons on "ON" are show

The I would for a would always found for Frank I a like I sure who is a selection the ridge of a patient of apparently by without water of the properties the town have English the same with the before. They weally polony the sun of a late - I special of the street.

7 20 5 00 - with sur seen. Yetom waring Courte, atter may come sugar coul a land SHN on Man of their wells could betrustilled as Jude as well as, of wellest of, but Hubert performed man extreme with a male of out attiring their notes. One baby celes performed TF , but I couldn't see them.) There notes were

defructely not accompanied by CR.

There retriebly new to be 4 owns in the particular witer attelana. Provision in green fullent they all come close together and become very testine and received of suraque that a burd of sur goes must have stronged into the territory of the other pair, due to the confus con and exertenent aroused & my appearance) Lots and lots of SAN's and Gill's. all Fill's precided & SHN's a typical Fill me get be represented as fellows.

Charececcocococta la la la

Beginning meng fact. flowing down. The last notes now to be nothing more than detacted righteriber or rolls of the Fill all or most Irlls receive to be vegle petitied and then at the beginning. Low expetitled toward the and. Paculy commegn:

## anemon, Feb. 10, 1962, II

Then I'll a were an expensed by quite a let of closure back and forth Doverney hastile I suited by see of the wine of the wine of the suite of the wine of the suite of the su

There SHN-fell regioners were quite renewes at of the Guels towagers in round. Expressed "Frek" Orth ER regrences by BC

out in bushes Ultering later of sungle SHNs. On burd also ulters neveral Phl's. Quities described above, but ilrotter. It chasing 7:30 am. Shull still another Orange Evil. apparently might utile boil comes closer to me and/or as the internet, of its reaction declines. Also with suamonal W='s Crometimes extreme, romitimes not), and warm extreme TF's. Here TF's were primare; later sel, and D-V, will the TF's of my capture liveds. He tailing also ferlied straight down, a little bit, with each note.

out uttering SHN's as usual. With extreme WF's and TF's also very reglit CR and definite The fell Might quite comprenous. although the feathers of the throat of this years over net as long as there of allayetes spp.

8:15 a.m. Shulied another neighe Orange-bull Uttered SH N's with Mifly, WF's, and TF's. No CR Leuren State of the



8.30 x m. Huck another single lood Him land is not great
le upset. Lets quite releved with bead drawn in resting on shoulders
Ulters 5HN's, inethout CR, His Hiff on Hubing movements. Here

3HN's obviously produced by very weak motion for the range of
moloration producing 5HN's on this years is probably very quat.

9 think all the 1F's I sow this merinag men also upanied
by mon or less pronounced From

aluemen, I

Secreta Fe.

I went up to the area whow the Oneway bells we again

I cook this rumming. Animal 6:35, Already Right, but new next

I ap over the mountains yet, Cloudy.

There was no have of Dewon Calling in the area. cell I hear

I d were a few SHN's and (probably) norme Wol's in the chilance.

### auemou, I

Sweep where I have writined Mitrus on previous stays. So saws front individual Mitrus on previous stays. So saws front of Stand a few Wol's Without CR. On the true it when it is all the Wol's Without CR. On the true it when it is was at least reveral feet sweez from its mate.

Both the SAN's and Wol a of this repease are very remines cent of the consequence patterns of the Britism is read. Here may be an indication of relationship Muse probable, due to converge ence, concluted with the fact that the a species line in our fact. I enverousents. Other Wol's of the a species may not be stortly howelessed. Other with a species may not be stortly howelessed.

#### anewra, I

Paris Colores Co

Watetung my capture part 5:50 a.m. Net weekeng from blood
One board becomes vocal 5:517. At first it is murble
rement of SHN's and Will's. Will a new, reft Then fail culture.

Never of Will's. Will's apadually becoming remember louder,

a:02 Board falls releast. Ital different to me perpent.

Junt Will plenases quite long a complex.

Provid resumes Will's, as before, 6:04 and

One plenase like "Ice-tal-see ta-300-1010.

auemou May a 1800, I Burds fell when alen allvares approvence All lives the former and the sample you write such To and a Dan of meantine Where Lette followed The succeed in Party of Time to All or west of their word wittens was to be attered by built Com a dispetaleon West The frem The Then Will s = 5 million Enforce, aut not composed of quite as regular doublets The war war willer the the work apparent But word of number of very very negative of this species doesn't " seem to ut proceed our interior "for long periods of twice while sug austron case of a Will interduced by a PN. 6:20. again! They lots more Wel methout PN introduction. This time I get a good new of the surging heid. It is milliones perches for reveral records, attering reveral Wolson a now, before the ing off. Will suttered from perfectly invitualized Cooking portion. Hot were againgent. Without any trace of either CR or Hifly. But opens and closes with the notes Oue Will "Tata gee-with tata-zee-with This diversion of a "surgle" Wel (or single Wol phrase) neto I two eneutrally identical phrases or mb-phrases neems to be quite a comm

Mumon, 900, 5 1907 II on anouncement. Part not invariable, Some Ille a control office of \* ample placement on rule placese. Ottom one long, interest classes " Luito major sub-plurare Justin to Wife with buck by SN 6:22 File - 121 mille I without 3No Men of there of the of the self buy burd oughour in out ervalue facelus. Again from perpetty envilonely el posteres. Ho CR 21 4:35 Bush now ulture were quette, and prougably su perceb for long period of time (our a numbe) attende Will youth I at mos or less regular (and relatively long) interviews I say of the Mile by wille Vary from Ba-weece za-weece za-weece to former inche 3a-weee-uh-wee" again no CR or Hilly Brids Exclusion 11. 11 15 rich ouarionally lieturen Well, deleut now, 6:40 am afew were Wal's afew muntes later Jam favely artain that it is the green - bandled hard who is alor ug all the sugue. This is the berd with the buglites bell. Conson & T. again another Wel introduced by PN, followed by a server Je Wills williaut PN. So it news that there is a trusteur for PNs to I be allered at the leguming of a period of Will s, but not later in the period. ON may be an introductory warmup pattern Produced by the same type of motivation as Wills, at a lower vitewet;??? 14:53 Queu middenly utters receis of vocal patterns \$ 15HN-1PN-19WE ISHN-19WE ISHN-1PN-19WE ISHN-17WE 15HN-1966 15HN-1966 15HN-1966 WER WER WER WER Will .... I don't levour culintities radden outhwest SHN's Buch I retting ou perele in invitualized porture direciplionit

Quemon May 4, 1962, III CALL COMMON A DIN poetwie Jener stephens andergrants galler sayor elwest budger There has centainly liven watering like a pre-cap allowed this morn of the More than several appropriate of the Ato the q. Morg has been headen of four my right must of the time Leaving 7:07 I checked the cage after leaving. The trace of a next yet Musical I april 1, 1963 Januar, Penu Then nevering our reverse in live-tucks of what was presuming an other years of answers the XIX on leit - MAN = about 6 30 a m. saw a pair in Encalyptus trees. altetude 10, 475 feet. Ours nevering about in trees, approximately 10-20 It above ground, One burne surgs repeateably while name distance from mate. Mraces Isi - whit - tree - wheree (00)

The burd had definite CR during at least now of their glories. (But gar bably not all?).

A few munites letter, our or both bunds ultimate some root of "free

trug (GHAC?) when our served the other.

April 2, 1763 Below Farma

Have new reveral more of the Cocal Orange likes this afternoon 3:35 pm. 9000 ft. fee a migle Orange bills (perhaps just reparated members of rwell pair). Thousand through low router and an marring Encalypts, 20 feet above ground. One of the birds repeatedly attended on lond, clear, wheethere walls "Whit-wheeeooo"s and/or "Wheee-ooo"s. At irregular intervals. White in some.

e or just durty? Hufortunately, I don't linew of this was the bread

that uttered the notes or net

I heard similar notes couring from low saulo in area above. Sarma their morning, in the middle of the morning. Couldn't ree bird; but this was the area where Drange bills were men yesterday.

There notes may be nothing monthan low internity song fath in the afternoon, a. 5:30, I saw one Orange bill moving through low saub at 8540 fc. Apparently inlent

Working above Former their monning. From 10,700 to 11,375

fit Saw quite a lot of local. "Orany-bills" aviound, up to approving
ately 11,000 ft. In both Cour scrule and in Employets. Amally single. Per
baps nows of the birds near more activally in pairs or family groups of three,
but, if no, the members of the poirs or group were always quite widely nath

eved.

Law beginning to think that this species was be a saltator. Olivery out exactly intermediate, in body shape, between typical saltators and type of cal arienous a assence of type spenous in Pavaina. And bell is quite think and heave.

Occuped us trees wear record pairs of Bruns (see today's notes on Hure's Disso sinui). And with repeated " Ja-wheevest-wheevest "phrases. Loud to whether Huffertimately I dislot the heides) well and the general tone of the calls was identical with that of (other) Orange-bellically Pave heard.

Si 15 am. See a ruigle Orange-bill perched on tops buch about 3 feet above ground. Atters series of "Da-wheeoot "wheeoot" calls. Less loud and whitting than most calls of the species fetting in unretualized perture no CR. Head o bell pointed chiagonally upward as each call is uttered Then bird flees away. Lost to right. But I hear loud, clear, and whitted "Da-wheeeeeee -wheeeeeeee" s in distance, a few records later, coming from wenters in which bird flew. Other a few ringle "Wheee excesses" all this happened at 10,925 ft.

annon, apr 3, 1863, I.

It never belief that this species has quite a variety of abiglity olifferent rong" patterns. And all of them are quite fallater-belie (expensely like Black-cap.)

Excellent, T

May Lawrence

Working i clow Peles the species with some some some of the it just a survey of mountain where I have been strokens; but and there is no survey of a where there are let of the beach I range beach Otop fields and he igo
Like stretches of same substitute, few trees.

It is remengened for oftenessen

feet above the ground atters free where the

ou top built, expand, to ft above ground Miller "Mint-cha-whereneese" s

Lountines rugle, sometimes double Gute wester alized section. Privar be tween word patterns Once after "Alut-che-wherecere a but what "Alun flees of Men perches on stalls of warre in field Apparent fullers reported "Chit-chit chit-ta-wa"s "I" Wen flees down out of regist Chun this last call is gute faltator-lile)

#### anemou, I

An Janua

Note: - were free as aprilie day of a noon armine well before it or Sight The + part sough fell nounds before 5.00 am fill omite darch as it is a suighard again of with rounds are not DC ( ) howe surrelains slut to mothing like D' taxing). 4-include whether, more order like yester of the wood "Whit-cha-th-wheeleese Buowing diglett, abbreveted, 3. 31 2 willables in 6:15 "Whit-chawheecece"

G Stan for Orange Out a synung it fough money full sittlers suacienal "Whit-chee-ta-ta-wa s. Then was noto breek now Whitchee, for build summishenting by long chatter, ie ta-ta-ta-ta-ta-Men ples way marked the another I way bell, in buildabout to ft away from where the fruit blood but battered, atters regular 2- yellable

song where the

Chatter of mercurity boutte and/of freeting They see the I brieds missing about together in some marge lead One atters long Chatter in the both land, semultaneous, on staller about 5-10 ft apart. Then mue land bops from it all to stable, consider mound of arisary from its parties, and begins to atter typical 4-yellable itting whether They both words by wite marky bedge I well both utilities) thatter on they land. There is no hope up to expect perch and begins to enter sory whates as before 6.28 They flus away

Kain gradually stopping 7.00 am. To after our in very low sand Caswell as Ties and many fulds), they apparently

of never come lower to the ground dull

7:00 am Most of the roug whatles hard new are 2 or 3 rights les. "Chawlieceeux" Whit-cha-wheececece Onigafew hill 4 ryliable performances. Occasional monoryllabece whites all there roug whenther never to be uttered by burners that are encute ally "alone" ( although they often have presented trates sonards of more Mu bunds atter roug whatles quele figurett, and their rougs are certainly louder than those of an other Cotal spices. But they unlang do not attract unlanduals of Mil perces! have new no trace of any amounteon of any northetimen there bears and any I am fively certain that mates annuer one another by whatting back and forth arrow fulds when represented. At least rome liveds certain ly do - whether they are mater or wal males. One build is utterway atternate "Whit-checces ooo"s and Whit-cheecee-coecce alternation very regularly, but it moderate le long interwals. For the last half hour or so, ever suice 4:00 a m, approximately I have been bearing a lot of "their cheevice, chew therence chew chewee chew cheewee ..... alls by 4 or 5 broids around live Very difficult to receive is ultering them. at first I thought et miglet be the Gray and Hellow Funch. But now I think it is the bringe bulls. There notes are much rofter and less whatte-like than the unal son

g whenther of the species. You remains cent of the DC of other species in toreal

auemon apr. 7, 1763, III.

quality. also apparents a leterminate in length. If there with an alteral by Oringe-bulls, they are characing relat edia both the one in 1900 whites of the oplices and the DC of other space. I want to de wired De pattorus in process of busining assured ated wite the day nous "pretterus. Titten notes walvene uttered by Orange-Cells, it is now rhable that the are uttered by bruds when they are fairly well hidden in shrub-bery — not on exposed possess as when ordinary roug whether are uttere I that there notes are attored by Orange Ordes burance I have seen brang- wills fly out how survibliers, now which the notes had been flowing and the notes stepped after the Change-bells left also I bare beard typical roag whites uttend in under of a wice of the rotter notes all apparently ultimally raine brend (3). Then buy hatter - when landing by trill, at least 50ft from another lived that may be its wate. I have heard similar semi-metallie Lit "Roles uttered by other I range-brills in flight. But they are not very common still they want to considered an index of Richmondenine ulationalings 7:42. One chaving well upplants another on perch The uppla nting accompanied by bird Chatter.

anemon, I

9

April 13, 1943

"Onang- villes" have been common acound here in almost all the

I area I bouse vinted, below the Pour itself. I observed nome interesting believes of "Orang - Ciles" this mion Z mug lelow Hrubanelia. SEE TODAY'S NOTES ON MIXE D 9 DIGLOSSINI. They 8: 20 am. He two Orney - Oills in Eurolyset at Cent 20 ft above ground. Hopping about excitate. Our of the burds atters or if the charter. Then continue hopping about relently. Then our foods the other. The pre or post duplay.

aremon, I

april 24. 1963 Freno-Coloudo

Genterday I be and that our of my captive Orange bills was sur good yer frequents. Wel's Later, I found the beginnings of a next in the Cottout of the Crave bell cage. Watthing bouds this morning 6:00 am ftill dauk-ish. Obrowst weal conditions very bad They there is some acrual chance back o forth Thou one bud per

cheralow. Letters Wols They both build be back of forth Duly accounted Wol's always lin build while uparated from water Decamonal migle "PN."s.

Well's uttered from unal pre-Cocomotors pollures.

of allo swepour ground while feeding 6:25.

a seems to be guering Aun, or even avoiding lun.

The "PN"s uttered today we rather masal & hourse " feecet son " Whent's Thruable, Ittimbe, uttood when brieds are hopping about on